

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IN2004/000243

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 E21B41/00 F23G7/08 F16K17/192

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B F23G F16K F17B B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 222 259 A (JR. HENRY H. WALL,) 7 December 1965 (1965-12-07) claim 1; figures 1-3	1-8
A	US 4 065 247 A (OKIGAMI ET AL) 27 December 1977 (1977-12-27) column 1, line 63, paragraph 16 - column 2, line 28, paragraph 21; claim 1; figure 1	1-8
A	US 2003/106694 A1 (WISEMAN THOMAS R) 12 June 2003 (2003-06-12) paragraph '0016! - paragraph '0021!; figure 1	1-8
A	FR 2 706 926 A (DTL SA) 30 December 1994 (1994-12-30) page 2, line 1 - page 4, line 13; figures 1-5	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

29 April 2005

Date of mailing of the international search report

13/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Manolache, I

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IN2004/000243

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3222259	A	07-12-1965	NONE	
US 4065247	A	27-12-1977	JP 52138539 U JP 54039143 Y2 DE 2654369 A1 FR 2348441 A1 GB 1533731 A IT 1066679 B NL 7612654 A ,B,	20-10-1977 20-11-1979 27-10-1977 10-11-1977 29-11-1978 12-03-1985 18-10-1977
US 2003106694	A1	12-06-2003	CA 2372987 A1	11-06-2003
FR 2706926	A	30-12-1994	FR 2706926 A1	30-12-1994